

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for reducing the content of oxygen-containing and/or nitrogen-containing compounds in streams comprising:

passing a stream having an isobutene content of at least 10% by weight, in the liquid state at a temperature T [in K] and a linear velocity v [in cm/min] over a fixed bed of an acid-free zeolite having a mean pore size of from 0.3 to 1.5 nm,

wherein the fixed bed has a length l [in cm] in a flow direction of a stream and T, v, and l obey the relationship

$$\cancel{2^{(T-283\text{ K})/10\text{ K}} \cdot l/v \leq 500\text{ min.}}$$
$$\underline{2^{(T-283\text{ K})/10\text{ K}} \cdot l/v \leq 500\text{ min.}}$$

Claim 2 (Previously Presented): A process as claimed in claim 1, wherein T is in a range from -30 to 30°C.

Claim 3 (Previously Presented): A process as claimed in claim 1, wherein v is in a range from 0.5 to 35 cm/min.

Claim 4 (Previously Presented): A process as claimed in claim 1, wherein the stream further comprises hydrocarbons other than isobutene.

Claim 5 (Previously Presented): A process as claimed in claim 1, wherein the stream further comprises halogenated hydrocarbons.

Claim 6 (Previously Presented): A process as claimed in claim 1, wherein the zeolite comprises sodium ions and/or calcium ions to balance the charge.

Claim 7 (Previously Presented): A process as claimed in claim 1, wherein the zeolite is selected from the group consisting of zeolite A, zeolite L, zeolite X, and zeolite Y.

Claim 8 (Previously Presented): A process as claimed in claim 1, wherein the stream is dried prior to the zeolite treatment.

Claim 9 (Previously Presented): A process as claimed in claim 1, wherein the stream is passed through a fixed bed which comprises a zeolite having a mean pore size ranging from 0.3 to 0.4 nm upstream relative to the flow direction of the stream and a zeolite having a mean pore size at least 0.5 nm downstream.

Claim 10 (Previously Amended): A process as claimed in claim 1, wherein the steam is used for preparing isobutene polymers.